IN THE SPECIFICATION

Please amend the specification as follows:

Replace line 34, page 6, with the following:

ATCC® = American Type Culture Collection

Replace line 27, page 9, with the following:

numbers over the lanes refer to the ATCC® (American Type Culture Collection) strain designations.

Replace line 11, page 10, with the following:

shown in Panel B is overlayed with ^{125}I-labeled blebs of ATCC® (American Type Culture Collection)

Replace line 14, page 10, with the following:

blebs of ATCC® (American Type Culture Collection) strain 49143 (a hemagglutinating strain). Only

Replace line 27, page 10, with the following:

staining of outer membrane proteins from various ATCC® (American Type Culture Collection) strains

Replace line 3, page 11, with the following:

ATCC® (American Type Culture Collection) 49143 cultivars: 49143 (hemagglutinating cultivar) and

Replace line 12, page 11, with the following:

a 6% denaturing polyacrylamide gel using OG extracts of ATCC® (American Type Culture Collection)

Replace line 13, page 12, with the following:

antiserum to the OMP106 plypeptide from *M. catarrhalis* ATCC® (American Type Culture Collection)

Replace line 18, page 12, with the following:

various *M. catarrhalis* strains. The ATCC® (American Type Culture Collection) accession numbers

Replace line 7, page 17, with the following:

catarrhalis strain ATCC® (American Type Culture Collection) 49143 has an apparent molecular

Replace lines 11-12, page 17, with the following:

including, but not limited to, ATCC® (American Type Culture Collection) 49143, ATCC® (American Type Culture Collection) 25238, ATCC® (American Type Culture Collection) 25240, ATCC® (American Type Culture Collection) 43617, ATCC® (American Type Culture Collection) 43618, ATCC® (American Type Culture Collection) 43627 and ATCC® (American Type Culture Collection) 43628.

Replace line 15, page 17, with the following:

of ATCC® (American Type Culture Collection) 49143.

Replace lines 7-8, page 21, with the following:

ATCC® (American Type Culture Collection) 49143, ATCC® (American Type Culture Collection) 25238, ATCC® (American Type Culture Collection) 25240, ATCC® (American Type Culture Collection) 43617, ATCC® (American Type Culture Collection) 43618, ATCC® (American Type Culture Collection) 43627 and ATCC® (American Type Culture Collection) 43628. The preferred source of such

Replace line 10, page 21, with the following:

preferred source of such extracts is a HA cultivar of ATCC® (American Type Culture Collection)

Replace lines 21-22, page 24, with the following:

purified OMP106 from any of strains ATCC® (American Type Culture Collection) 49143, ATCC® (American Type Culture Collection) 25238, ATCC® (American Type Culture Collection) 25240, ATCC® (American Type Culture Collection) 43617, ATCC® (American Type Culture Collection) 43618, ATCC® (American Type Culture Collection) 43627 and ATCC® (American Type Culture Collection) 43628

Replace line 27, page 24, with the following:

OMP106 from a HA cultivar of strain ATCC® (American Type Culture Collection) 49143 is used as the

Replace lines 31-32, page 25, with the following:

not limited to, ATCC® (American Type Culture Collection) 49143, ATCC® (American Type Culture Collection) 25238, ATCC® (American Type Culture Collection) 25240, ATCC® (American Type Culture Collection) 43617, ATCC® (American Type Culture Collection) 43618, ATCC® (American Type Culture Collection) 43627 and ATCC® (American Type Culture Collection) 43628

Replace line 26, page 25, with the following:

of strain ATCC® (American Type Culture Collection) 49143 are used as the immunogen for inducing

Replace lines 23-34, page 26, with the following:

OMP106 polypeptide (e.g., ATCC® (American Type Culture Collection) 8176, more preferably a NHA cultivar of ATCC® (American Type Culture Collection) 49143); or by absorption to columns

Replace line 29, page 27, with the following:

OMP106 polypeptide of strain ATCC® (American Type Culture Collection) 49143 specifically bind not

Replace line 31, page 27, with the following:

polypeptide of strain ATCC® (American Type Culture Collection) 49143) but also OMP106 polypeptide

Replace lines 33-34, page 27, with the following:

strains including, but not limited to, ATCC® (American Type Culture Collection) 43628, ATCC® (American Type Culture Collection) 43627, ATCC® (American Type Culture Collection) 43618, ATCC® (American Type Culture Collection) 43617, ATCC® (American Type Culture Collection) 25240 and ATCC® (American Type Culture Collection) 25238.

Replace lines 5-7, page 32, with the following:

any *M. catarrhalis* strain including, but not limited to ATCC® (American Type Culture Collection) 49143, ATCC® (American Type Culture Collection) 25238, ATCC® (American Type Culture Collection) 25240, ATCC® (American Type Culture Collection) 43617, ATCC® (American Type Culture Collection) 43618,

ATCC® (American Type Culture Collection) 43627 and ATCC® (American Type Culture Collection) 43628.

Replace line 21, page 33, with the following:

particular embodiment, ATCC® (American Type Culture Collection) 49143 DNA sequence encoding the

Replace line 8, page 43, with the following:

ATCC® (AMERICAN TYPE CULTURE COLLECTION) 49143 OR OTHER STRAINS

Replace line 16, page 43, with the following:

bacterial cells (wet weight). Since *M. catarrhalis* ATCC® (American Type Culture Collection)

Replace line 19, page 43, with the following:

strain. Serially diluting ATCC® (American Type Culture Collection) strain 49143 in 1:2 dilutions

Replace line line 27, page 43, with the following:

M. catarrhalis ATCC® (American Type Culture Collection) 49143 cell suspension was

Replace line 12, page 45, with the following:

50 mg of cells from ATCC® (American Type Culture Collection) strain 49143 in 1 ml of

Replace line 32, page 45, with the following:

select for a non-hemagglutinating (NHA) cultivar, ATCC® (American Type Culture Collection) strain

Replace line 2, page 46, with the following:

produced NHA cultivars of ATCC® (American Type Culture Collection) 49143 typically after three

Replace line 7, page 46, with the following:

M. catarrhalis ATCC® (American Type Culture Collection) 49143 is detected (e.g., by silver

Replace line 15, page 46, with the following:

ATCC® (American Type Culture Collection) 49143 was analyzed on a native polyacrylamide gel.

Replace line 22, page 46, with the following:

extract of ATCC® (American Type Culture Collection) 49143 was mixed with PAGE sample buffer

Replace line 34, page 46, with the following:

OMP106 polypeptide from a HA cultivar of ATCC® (American Type Culture Collection) 49143 in a

Replace lines 10-14, page 47, with the following:

M. catarrhalis ATCC® (American Type Culture Collection) 49143, ATCC® (American Type Culture Collection) 43628, ATCC® (American Type Culture Collection) 43627, ATCC® (American Type Culture Collection) 43618, ATCC® (American Type Culture Collection) 43617, ATCC® (American Type Culture Collection) 25240, ATCC® (American Type Culture Collection) 25238, and ATCC® (American Type Culture Collection) 8176; *M. ovis* ATCC® (American Type Culture Collection) 33078; *M. lacunta* ATCC® (American Type Culture Collection) 17967; M. bovis ATCC® (American Type Culture Collection) 10900; *M. osloensis* ATCC® (American Type Culture Collection) 10973; *Neisseria gonorrhoeae* (clinical isolate); and *N. meningitidis* ATCC® (American Type Culture Collection) 13077 were grown

Replace line 12, page 48, with the following:

M. catarrhalis ATCC® (American Type Culture Collection) 49143 was grown overnight at

Replace line 13, page 49, with the following:

various species using *M. catarrhalis* ATCC® (American Type Culture Collection) 49143

Replace line 14, page 50, with the following:

hemagglutination reaction by *M. catarrhalis* ATCC® (American Type Culture Collection) 49143

Replace line 23, page 51, with the following:

Serial culturing of NHA cultivar of ATCC® (American Type Culture Collection) 49143 in

Replace lines 2-4, page 52, with the following:

Polyclonal antiserum raised to ATCC® (American Type Culture Collection) 49143 OMP106 polypeptide neutralized hemagglutination by ATCC® (American Type Culture Collection) 49143, as well as that by heterologous ATCC® (American Type Culture Collection) 43627. This further

Replace lines 10-13, page 53, with the following:

catarrhalis, specifically those of ATCC® (American Type Culture Collection) 25238, ATCC® (American Type Culture Collection) 25240, ATCC® (American Type Culture Collection) 43617, ATCC® (American Type Culture Collection) 43618, ATCC® (American Type Culture Collection) 43627 and ATCC® (American Type Culture Collection) 43628, to range from about 180 kD to about 230 kD (Fig. 9A), whereas the OMP106 polypeptide of strain ATCC® (American Type Culture Collection) 49143 appears to have an

Replace line 15, page 53, with the following:

OMP106 polypeptide of strain ATCC® (American Type Culture Collection) 49143 was

Replace line 18, page 53, with the following:

outer membrane of ATCC® (American Type Culture Collection) 49143 yielded the following sequence:

Replace line 21, page 54, with the following:

polypeptide of one strain (e.g., OMP106 of ATCC® (American Type Culture Collection) 49143) may be

Replace line 6, page 55, with the following:

polypeptide of a HA cultivar of ATCC® (American Type Culture Collection) 49143 was prepared as

Replace lines 17-18, page 55, with the following:

M. catarrhalis ATCC® (American Type Culture Collection) 43627 but not a NHA cultivar of *M. catarrhalis* ATCC® (American Type Culture Collection) 43627 or the NHA *M. catarrhalis* ATCC® (American Type Culture Collection) 8176.

Replace line 21, page 55, with the following:

against a HA cultivar of ATCC® (American Type Culture Collection) 43627.

Replace line 31, page 55, with the following:

can mediate complement killing of a HA cultivar of ATCC® (American Type Culture Collection)

Replace line 4, page 65, with the following:

Collection (ATCC®) as *E. coli* Top10 (pOMP106).

Replace line 21, page 70, with the following:

American Type Culture Collection (ATCC®), 1201 Parklawn Drive,